

FIG. 1

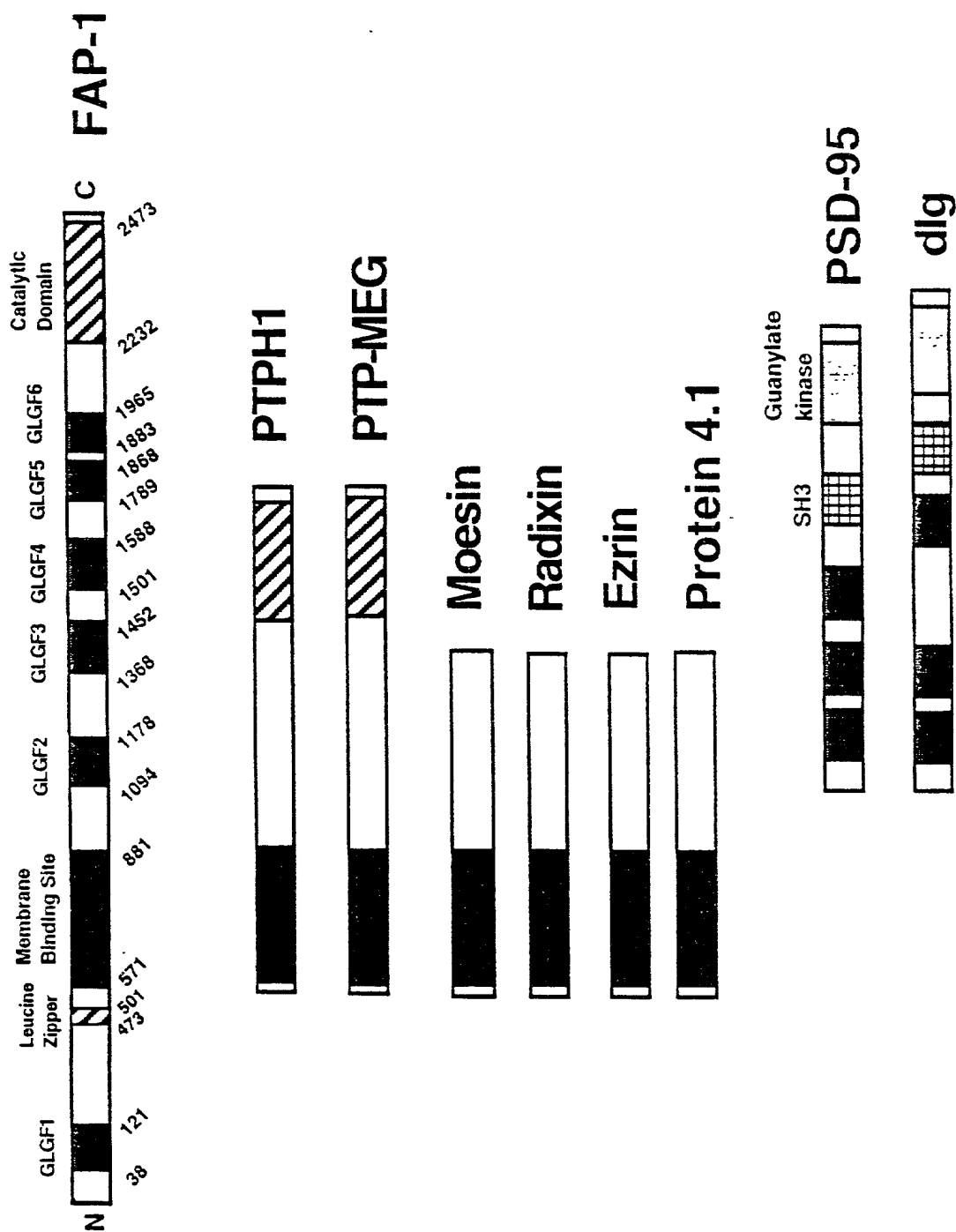


FIG. 2A

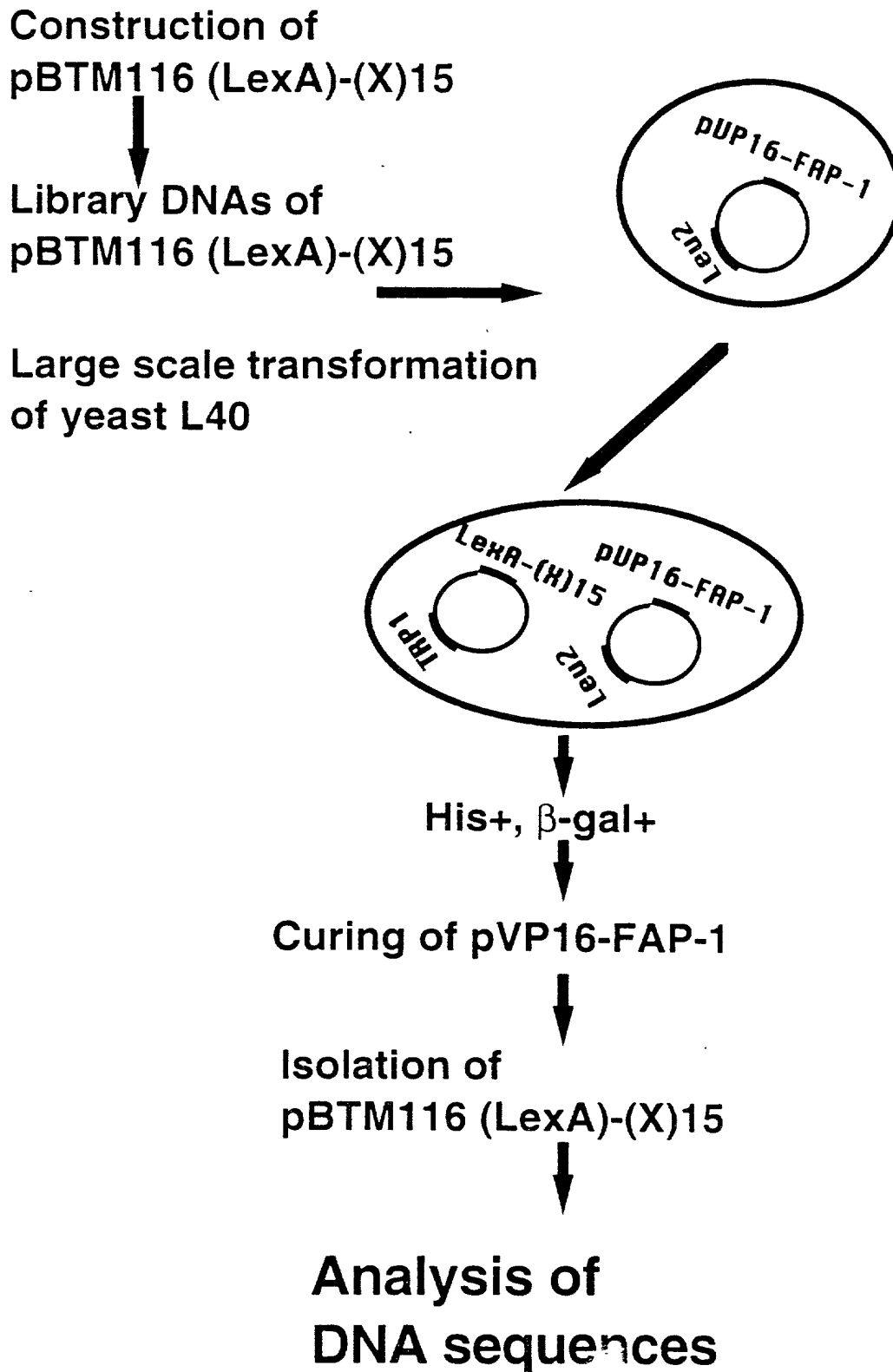


FIG. 2B

Human	D	S	E	N	S	N	F	R	N	E	I	Q	S	L	V
Rat	S	I	S	N	S	R	N	E	N	E	G	Q	S	L	E
Mouse	S	T	P	D	T	G	N	E	N	E	G	Q	C	L	E

FIG. 2C

- - - N S - - - N E - Q S L -

C	Y	A		A	I	G		L				V	12-0
E	N	A		G	V	S		E				V	5-0
W	W	G		A	T	Q		P				V	13-0
E	H	A		Q	Q	Q		Q				V	20-0
N	S	S		F	H	S		L				V	6-2
G	L	R		L	P	P		D				V	9-5
G	S	D		S	G	V		N				V	18-1
K	K			R	P	V		N				V	22-1
I	G	K		D	V	W		A				V	71-1
A	S	R		N	E	E		L				I	14-5

FIG. 2D

I	P	P	D	S	E	D	G	N	E	E	Q	S	L	V	8-1
D	S	E	M	Y	N	F	R	S	Q	L	A	S	V	V	9-3
I	D	L	A	S	E	F	L	F	L	S	N	S	F	L	14-1
P	P	T	C	S	Q	A	N	S	G	R	I	S	T	L	0-2
S	D	S	N	M	N	M	N	E	L	S	E	V			57-5
Q	N	F	R	T	Y	I	V	S	F	V					72-1
R	E	T	I	E	S	T	V								25-9
R	G	F	I	S	S	L	V								16-13
T	I	Q	S	V	I										6-3
E	S	L	V												18-1

Consensus: *t* S-X-V/L/I

FIG. 3A

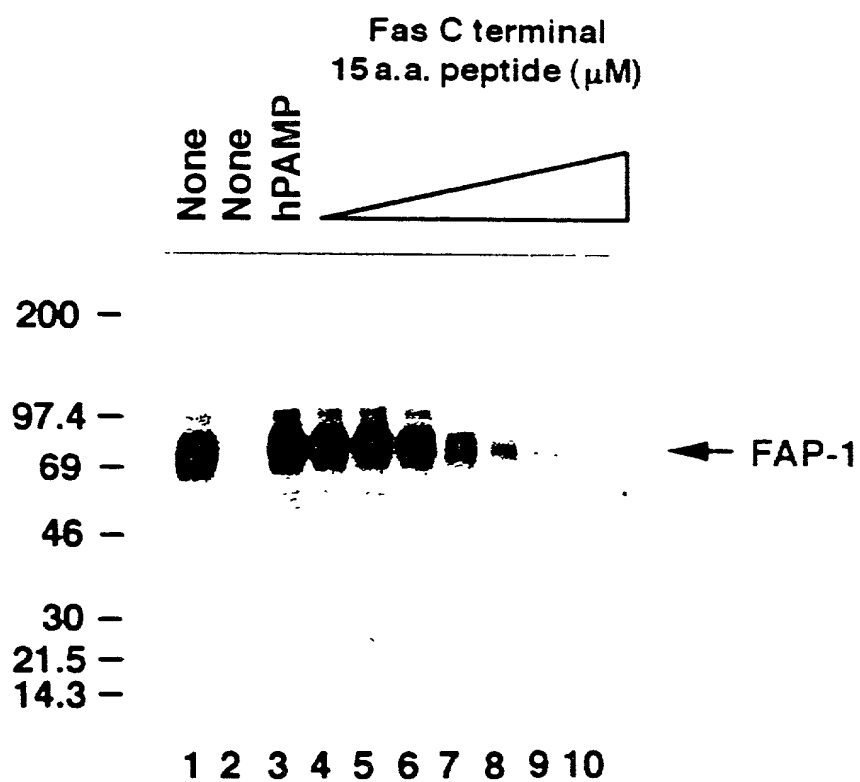


FIG. 3B

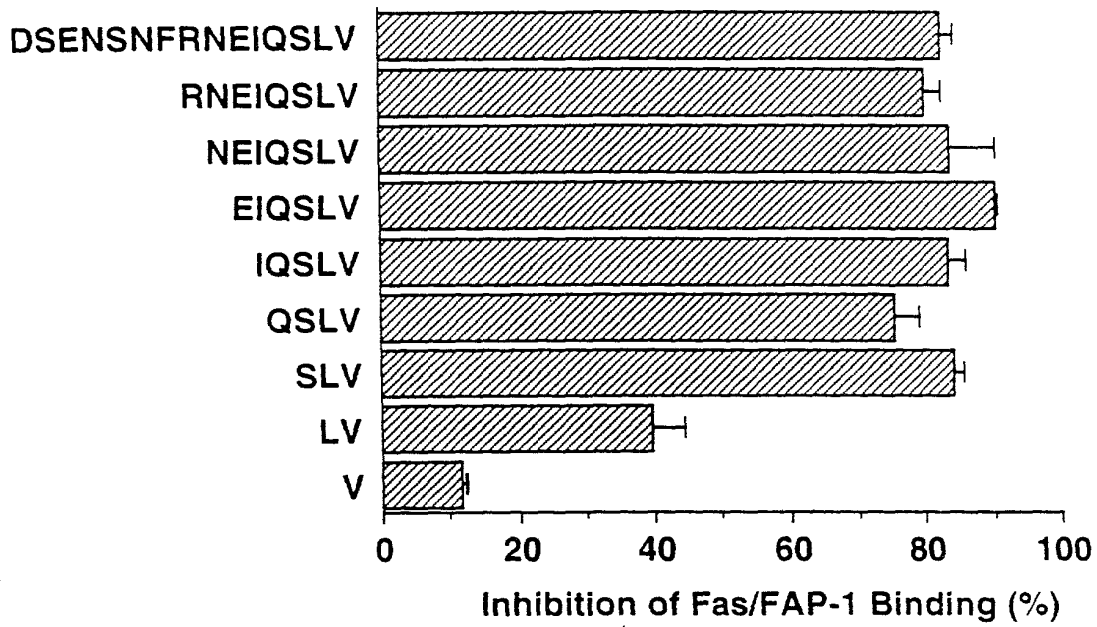


FIG. 3C

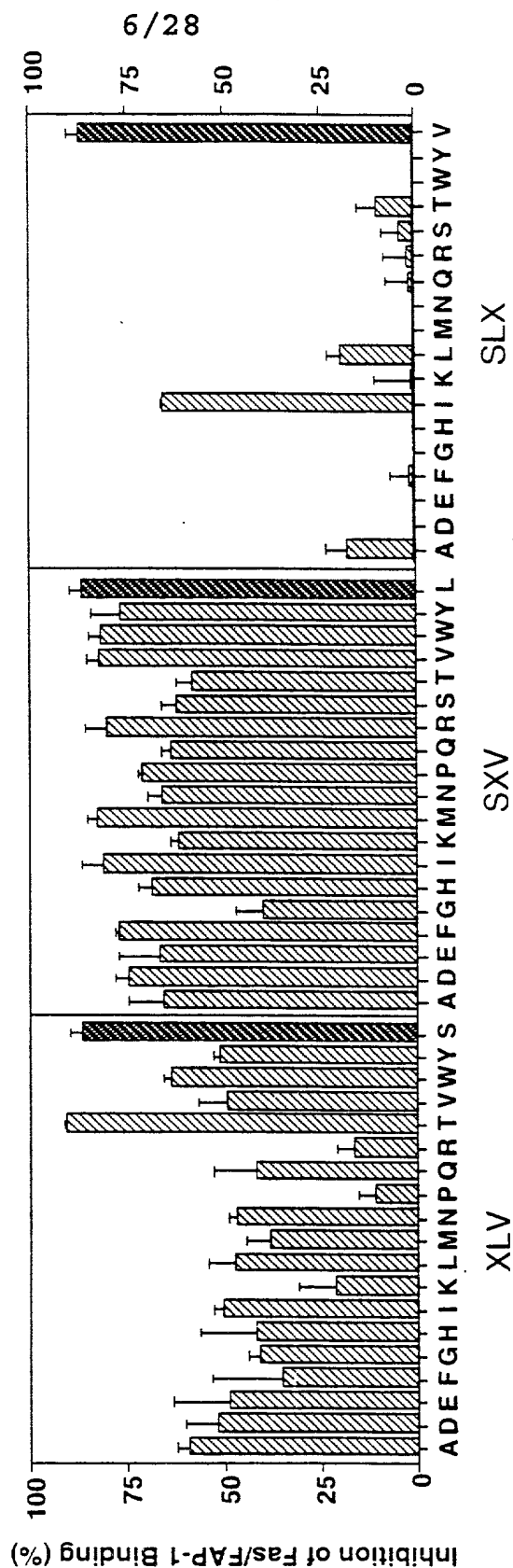


FIG. 4A

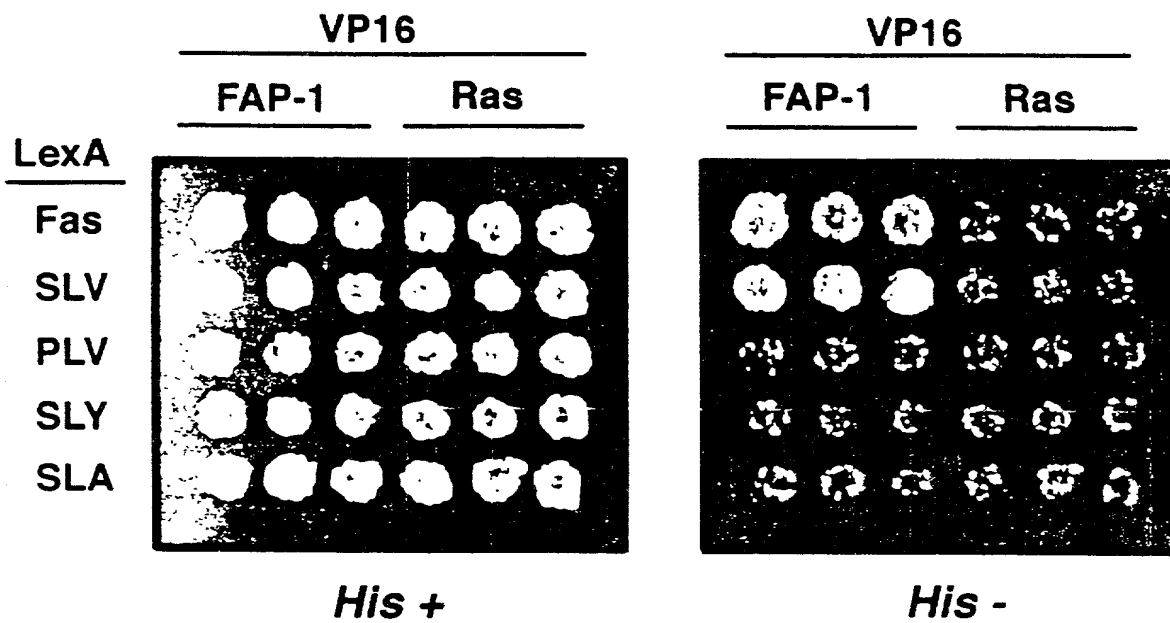


FIG. 4B

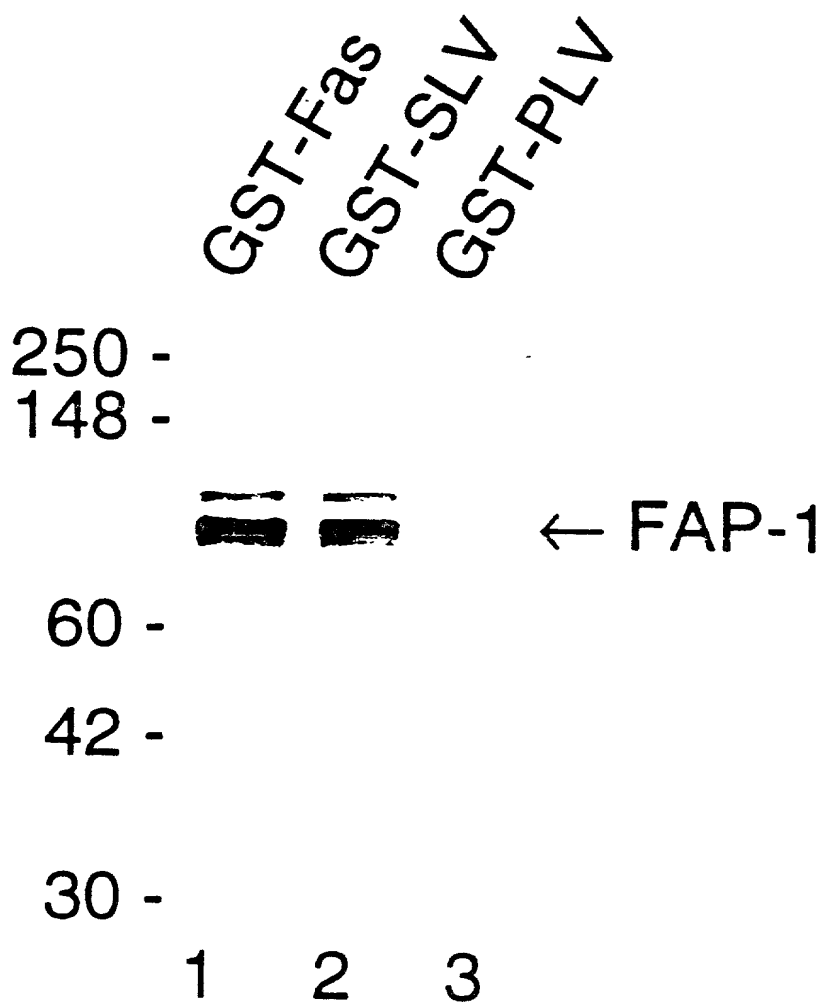


FIG. 4C

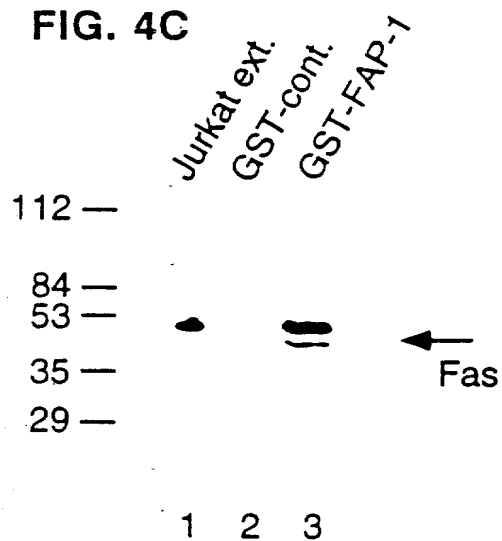


FIG. 4D

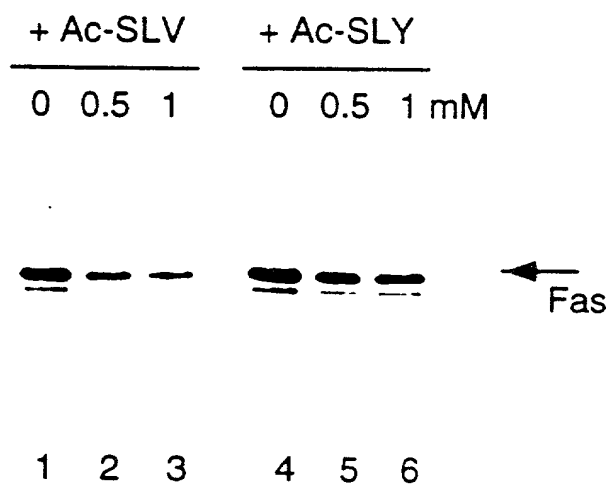


FIG. 5B

Ac-SLY-OH

FIG. 5A

Ac-SLV-OH

Phase contrast

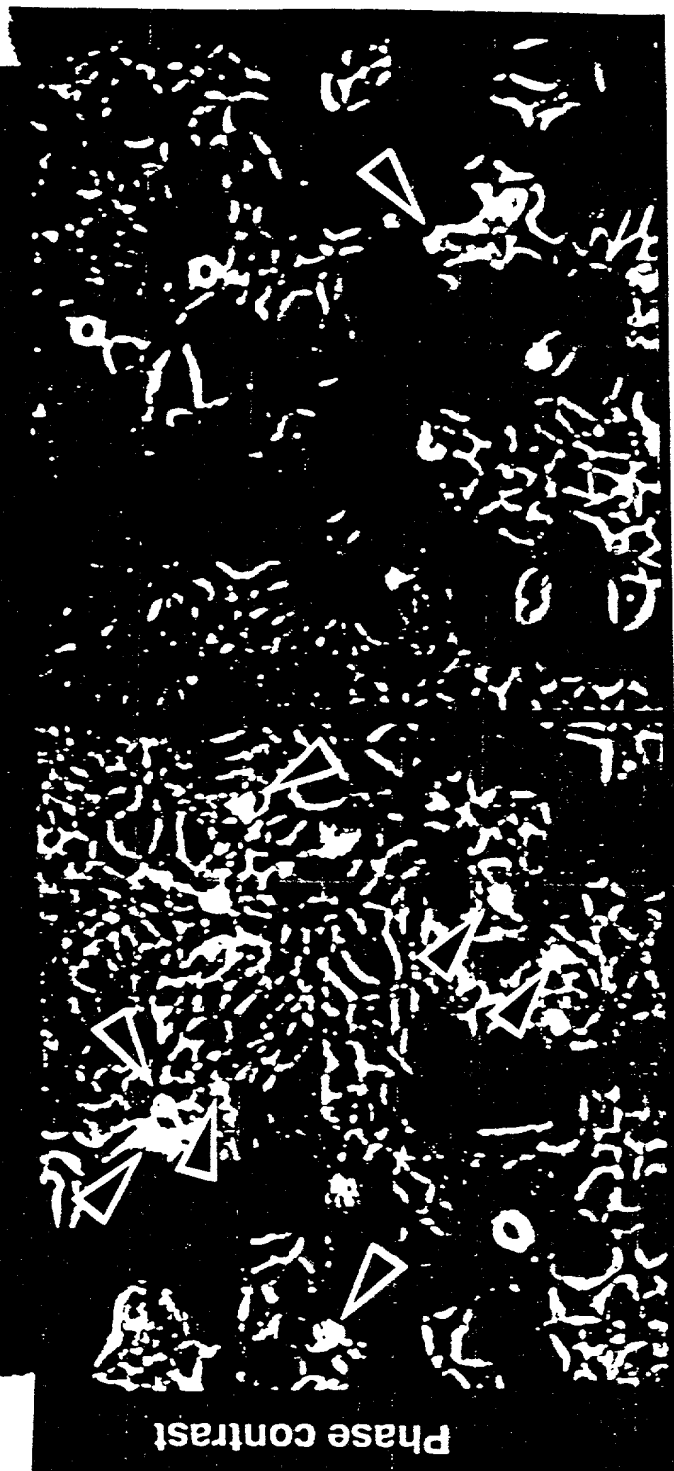


FIG. 5D
Ac-SLY-OH

FIG. 5C
Ac-SLV-OH

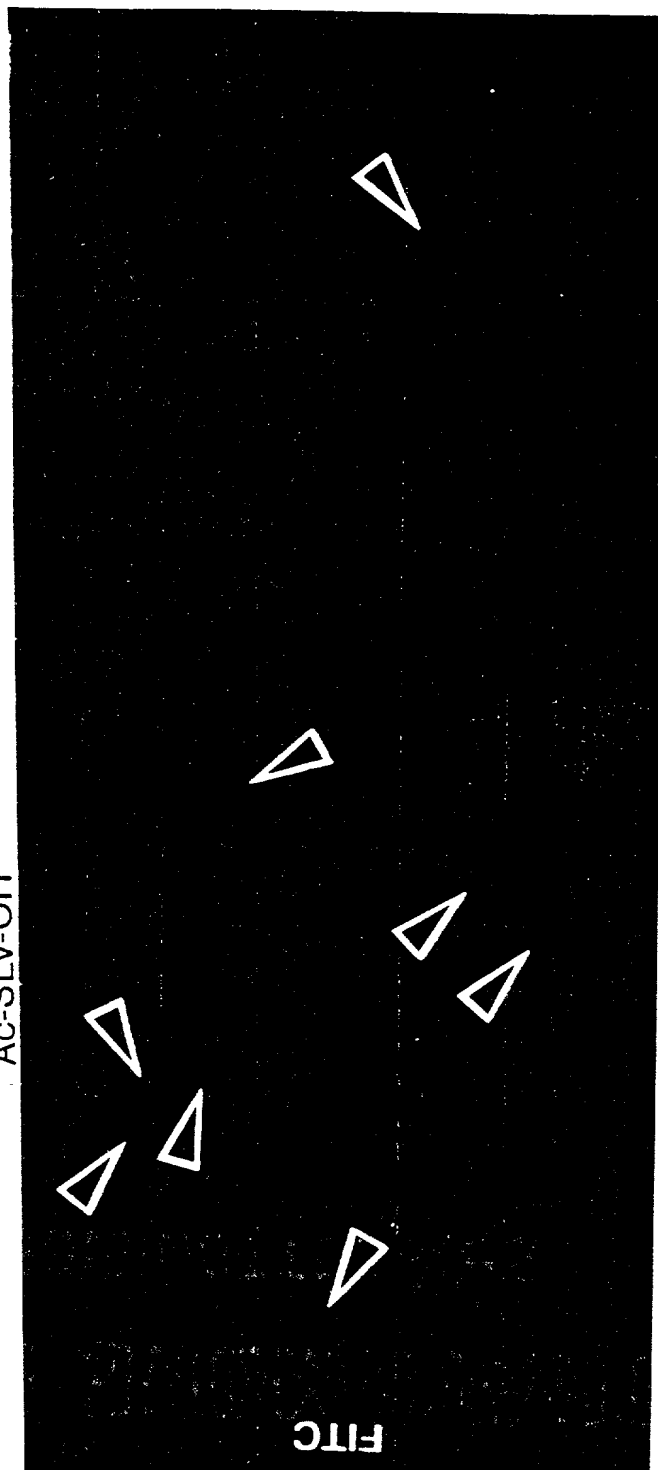


FIG. 5F
Ac-SLY-OH

FIG. 5E
Ac-SLV-OH

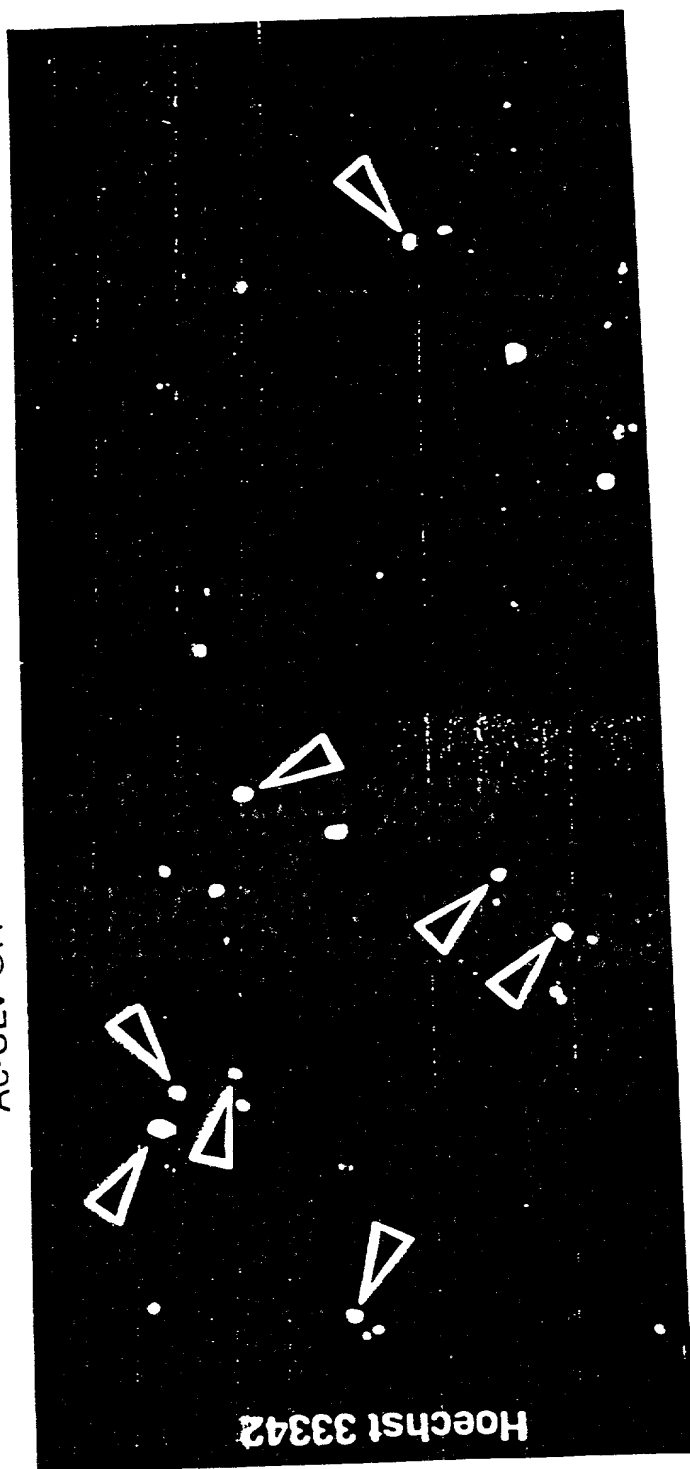


FIG. 6

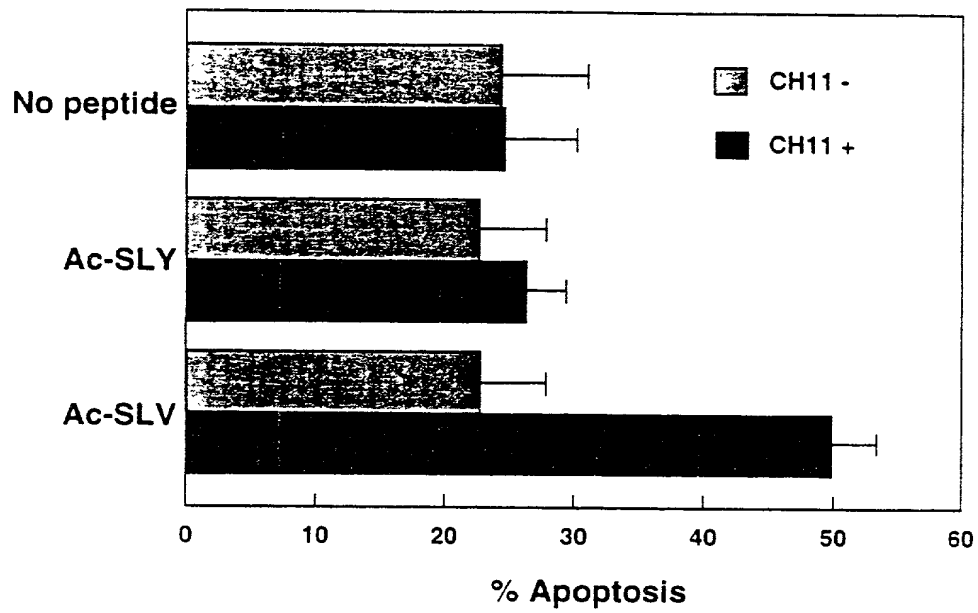


FIG. 7A

NGF Receptor

1 mgagatgram dgprllllll lgvslggake acptglyths gecckacnlg egvaqpcgan
 61 qtvcepclds vtfsdvvsat epckpctecv glqmsapcv eaddavcrca ygyyqdettg
 121 rceacrvccea gsglvfscqd kqntvceecp dgtydeanh vdpclpctvc edterqlrec
 181 trwadaecee ipgrwitrst ppegdstap stqepeappe qdliastvag vttvmgssq
 241 pvvtrgttdn lipvycsila avvglvayi afkrwnsckq nkqgansrpv nqtppegek
 301 lhdsgisvd sqslhdqqph tqtasgqalk gdgglysslp pakreevekl lngsagdtwr
 361 hlageelgyqp ehidsfthea cpvrallasw atqdsatl da llaalrriqr adlveslcse
 421 statspv

FIG. 7B

CD4 Receptor

1 mnrpvpfrhl llvlqlallp aatqgkkvvl gkkgdtvelt ctasqkksiq fhwknsnqik
 61 ilgnqgsflt kgpsklndra dsrrslwdqg nfpliiknlk iedsdtyice vedqkeevql
 121 lvfgltansd thllqgqslt ltlesppgss psvqcrsprg kniqggkts vsqlelqdsq
 181 twtctvlqng kkvefkidiv vlafqkassi vykkegeqve fsfplafte kltgsgelww
 241 qaerassks witfdlnke vsvkrvtqdp klqmgkklpl hltlpqalpq yagsgnltla
 301 leaktgklhq evnlvmrat qlqnltecew wgtpspklml slklenkeak vskrekavvw
 361 lnpeagmwqc llsdsgqvll esnikvlptw stpvqpmali vlvgvaglli figlgi ffcv
 421 rcrhrrrqae rmsqikrlls ekktccqphr fqktcspi

FIG. 7C

Species	C-terminal sequences of NGFR (p75)	Binding activity of FAP-1
Human	SESTATSPV-COOH	+
Rat	SESTATSPV-COOH	+
Chicken	SESTATSPV-COOH	+

FIG. 7D

1 mnsqvmkyg ndsaaelsel hsaalaslkq divlnkrlq qtererdle kklakaqeq
 61 shlmrehdv qerttlryee ritelhsuia elnkkidrlq gttireedey selrselsqs
 121 qhevnedrs mdqdtstsvsl penqetmvt a dmdncsdins elqrvtgle nvvcgrkkss
 181 csisvaevdr hieqlttase hcdlaiktve eieglgrdl ypnlaeersr wekelagire
 241 enesltamc skeelnrk atmnairer drlrrrvrel qtrlqsvqat gpsppgrits
 301 tnrpinpstg elstssssnd ipiakiaerv klsktrsess ssdrpvlgs eissigvsssv
 361 aohiahslqd csniqeifqt lyshgsalse skirefevet erlneriehl ksqndlltit
 421 leecksnaer mmlvgkyoe natalrlalq yseqcieaye lllalaeaeq slilggfraa
 481 gvgsspgdqs gdenitqmlk rahdcrktae naakallmkl dgscggafav agcsvgpwes
 541 lssnshtstt sstasscdto ftkedeqrlk dyiqqlkndr aavklmlel esihidplsy
 601 dvkprgdsqr ldlenavlmq elnamkeema elkaqlylle kekalelkl streaqeqay
 661 lvhihhlkso vaeqkeqmr slsstssgsk dkpgkecada aspalelael rttsenela
 721 aeftnairre kklkarvqel vsalerlts eairhqqsa e fvnldkrans nlvaayekak
 781 kkhqnlklkl esqmmamver hetqvmklq rialleeens rphntetl

FIG. 7E

1 madvfpqmds tasqvanrf arkgalrqkn vhevkdhkfi arffkqptfc shctdfiwgf
 61 gkqgfcqvc cfvvhkrche fvtfscpgad kgpdtddprs khkfkhtyg sptfcdhcg
 121 llyglihqgm kcdtdmnhv kqcvlnvpsl cgm dhtekrg riy lkaevad ek lhtvtrda
 181 knlipmdpng lsdpyvklkl ipdpkneskq ktktrstln pqwnesftfk lkpsdkdril
 241 sveiwdwdrtrndfmgsls fgvselmkmp asgwykl l nq eegeyyynvp1 pegdeegnme
 301 lrqkfekakl gpagnkvisp sedrkqpsnn ldrvkltdfn flmvlkggsf gkvmladrkg
 361 teelyaikal kkdvwlgdd vectmvekrv lalldkppfl tq l hscftv drlyfvmeyv
 421 nggdlmyhiq qvgkfkepqa vfyaaeisiq lfflhkrigi yr d l kldnm ldsoghikia
 481 dfgmcke hmn dgvttrtfcg tpdyaipeli ayqpygksvd wwaygvll ye mlagqppfdg
 541 ededelfqsi mehnvsypks lskeavsi ck glmtkbpakr lcgpegerd vrehafrri
 601 dweklenrei qppfkpkvcg kgaenfdkff trgqpvltpg dqlvianidq sdfegfsyvn
 661 pqfvhpllqa **av**

FIG. 7F

1 mdi:iceents lestunsImq lnddtrlysn dfnsgaents dafnwtvdse nrtlnscegc
61 lpsclslh lqekwsall tavviltia gnllvimavs leklqnatn yflmslaiad
121 mllgflvmpv smltilygr wplpsklcav wyladvfst asimhlcais ldryvaicnp
181 ihsrfrnsrt kafklfiavw tlvsglsmpI pvfqlqddsk vfkegscila ddnfvligsf
241 vefpplctm vityfltiks lqeatlcvs dlgttraklas fsflpqssls seklfgrsln
301 repggytgrr tmgssisneq ackvlgiuff lfvmwcpff itr:inavick escnedviga
361 lnvfwigy lssavmply tlfnktyrsa fsrylqcqyk enckplqlil vnt:palayk
421 seqlmggkx nskqdakttd ndcsmvalgk qhseesakdn sdgvnekvag y

FIG. 7G

1	malsyrvsel	qstipehliq	stfivhvissn	wsglqtesiz	eemkqiveeq	gnklhwaall
61	ilmviiptig	gntlvlavls	lekklqyatr	yflmelavad	llvglfvmp	alltimfeam
121	wplplvlcpa	wlfldvlfst	asimhlcais	vdryiaikkp	iqangynsra	tafikittvw
181	lisiglaipv	pikgietdvd	npnnitcvlt	kerfgdmlf	gslaafftbl	afmivtyflt
241	ihalqkkayl	vknpqqrilt	wltvstvfr	detpcsspek	vamldgsrkd	kalpnsgdet
301	lmrrtstgk	kqvqtieneg	raskvlgivf	flflmwcpf	fitnitvlc	dscnqttlqm
361	lleifwigy	vssgvnplvy	tlfnktfrda	fgryitcnvr	atksvktlrk	reskiyfrnp
421	maenskffkk	hgirnginpa	myqspmlrs	stiqssii	ldtllltene	gdkteeqvax
481	y					

FIG. 7H

1 maaasydqil kqvealkmen snlrqeledn snhltklete asnmkevlkq lqgsiedeam
 61 assggidlle rikeinldss nfpgvklrsk msirsygare gsvssrsgec spvpngsfpr
 121 rgfvngsres tgyleeleka rsllladldk eekekdwyya qlmltkrid slpltanfsl
 181 qtdmtrrrgle yearqirvan eeqlgtcqdm ekraqrriar lqgiekdilr irqligsqat
 241 eaerssqnkh etgshdaerg negqgvgein matagngqgs ttrmdnetas vlsssssthsa
 301 prrltshlgt kvemvyslls mlgtthdkddm srlilamss qdscismrqs gelpiliqil
 361 hgndkdsvli gnsrgskear arasaalnni ihsqppddkrq rreirvihli eqiraycete
 421 wewqeahepg ndqdkmpmpa pvehqicpav cvlmklisfde ehrhamnelg glqaiiaellq
 481 vdcemygltn dhysitlrry agmaltntlf gdvankatic smkgcmraiv aqlksesedi
 541 qqviasvlrn lswradvnsk ktlrevgsvk almecalevk kestlksvls alwnlsahct
 601 enkadicavd galafivgtl tyrsqtnla iiesgggillr nvssliatne dhrqilrenn
 661 clgtliqhlk shsltivsna cgtlwnlsar npkdgealwd mgavsmknl ihskhkmlam
 721 gsaaalrnlm anrpakykda ninspgsslp slhvrkqkal eaeldaqlis etfdnidnls
 781 pkaashrskqr hkqslygdyv fdtnrhddnr sdnfntgmnt vlspylnttv lpsssssrqs
 841 ldsarsekdr slerergigl gnyhpatenp gssskrglqi sttaaqiakv meevsaihts
 901 qedrsgstt elhcvtdern alrrssaht hstynftks ensnrctcmp yakleykrss
 961 ndslnavsss dgygkrqgqk psiesysedd eskfcsygyy padlabkihs arhmdndge
 1021 ldtpinyslk ysdeqlnsgr qspsqnerwa rpkhliledel kqseqrqsm qsttypvyte
 1081 stddkhikfq phfgqqecvs pyrsrgangs etnrvgsnbg inqrvsgslc qeddyeddkp
 1141 tnyseryseee eqheeeerpt nysikyneek rhvdqpidys lkyatdipss qkgsfsfsks
 1201 ssgqsakteh mssssentst pssnakrgmq lhpssaqsrs gqpkaatck vssinqetiq
 1261 tyovedtpic fsrccslasl ssaadeigcn qttgeadsan tlglaeikek lqtrsaedpv
 1321 sevpavsqhp rtkssrlqgs slssesarhk avefssgaks paksgaqtprk sppehyvqet
 1381 plmfarcstsv ssldsfsrs lassvqsepc sgmvsgilsp sdipdspgqt mppsrektp
 1441 pppqtaqtkr evpknkapt ekresgpkqa avnaavqrq vlpdadtlih fatestpdgf
 1501 scssslsals ldepfiqkdv elrimppvqe ndngmetase qpkesnenge keaektidse
 1561 kdilddsdadd dieileecii samptksark akkpaqtask lpppvarkps qlpvkllps
 1621 qnrlqpqkhv sftpgdampr vycvegtpin fstatsladi tiesppnela agegvrqgaq
 1681 sgfekrdrti ptegrstdea qggktsavti pelddnkaee gdilaecins ampxgkshkp
 1741 frvkkindqv qqasasssap nknqldgkkk kptspvkip qnteyrtrvr knadskmln
 1801 aervfsdnkd skkqnlkmns kdfndklpnn edrvrgsfaf dsphhytpie gtpycfsmnd
 1861 slsldfddd dvdlisrekae lrkakenkes eakvtshtel tsnqqsankt qalakkpinr
 1921 gqpkpilqkq stfpqsskdi pdrgaatdek lqnfaienp vcfshnssls slsldidgenn
 1981 nkenepiket eppdsqgeps kpqasgyapk sfhvedtpvc fsmssslssi sidseddllq
 2041 ecissampkk kqpsrlkgdn ekhsprmgg ilgeditldi kdiqrpdseh glspdsenfd
 2101 wkaigegans ivssihqaaa aacisrgass dsdsilslks gislgspfh lpdqeeqkft
 2161 ankqprilkp gakstletkk ieseskgikg gkkvykslit gkvrsnseis ggmkkplqan
 2221 mpsisrgtrm ihipgvrmss sstspvskkg pplktpasks psegqtatts prgakpsvks
 2281 elspvarqts qiggsskaps rsgsrdstps rpaqqplsrp lqspgrnsis pgrngisppn
 2341 klsqlprtss pstastkssg sgkmsytspg rqnssqnltk qtglsknass lprsesaskg
 2401 lnmnngnga nkkvelsrms stkssgsesd rserpvlvrq stfikeapsp tlrrkleesa
 2461 sfeslapssr pasptrsqaq tpvlspslpd mslsthsavq aggrklppn laptieyndg
 2521 rpakrhdiar shsespsrlp inrsgtwkre hskhssslpr vatwrrtgss ssilsasses
 2581 sekaksedek hvnsisgtkq skenqvsakg twrkikenef sptnstsqtv ssgatngaes
 2641 ktliygmapa vsktedvwr lddcpinnpr sgrsptgnp pvidsvseka nprnikdskdn
 2701 qakqpvngs vpartvglen rlnsfiqvda pdqkgteikp gqnpvpvse tnessivert
 2761 pssssssskh sspsgtvaar vtpfnynpss rkssadstsa rpsqiptpvn nntkkrdskt
 2821 dstessgtqs pkrhsgsylv ~~tsx~~

FIG. 8

p75NGFR
(Low-affinity nerve growth factor receptor)

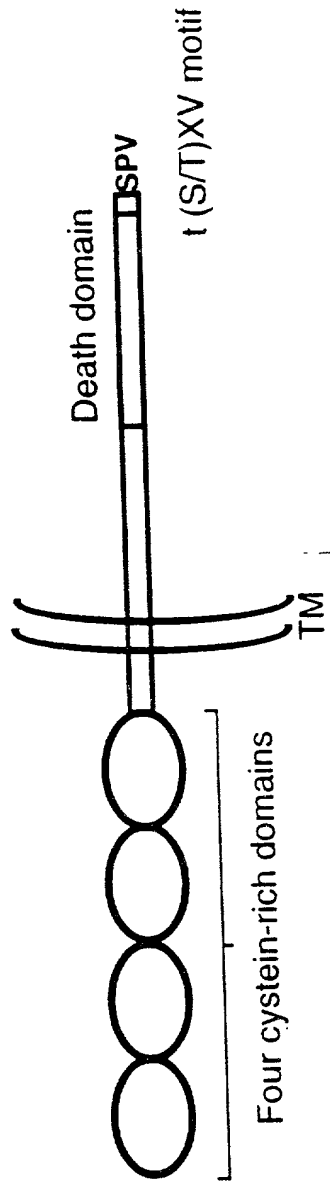


FIG. 9

	C-terminal amino acid sequence
Fas	NEIQSLV
p75NGFR	STATSPV

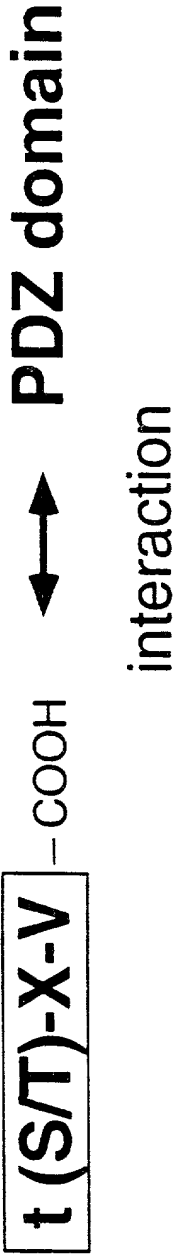


FIG. 10

In vitro interaction of ^{35}S -labeled FAP-1 with various receptors

— FAP-1 binds to the cytoplasmic region of p75NGFR. —

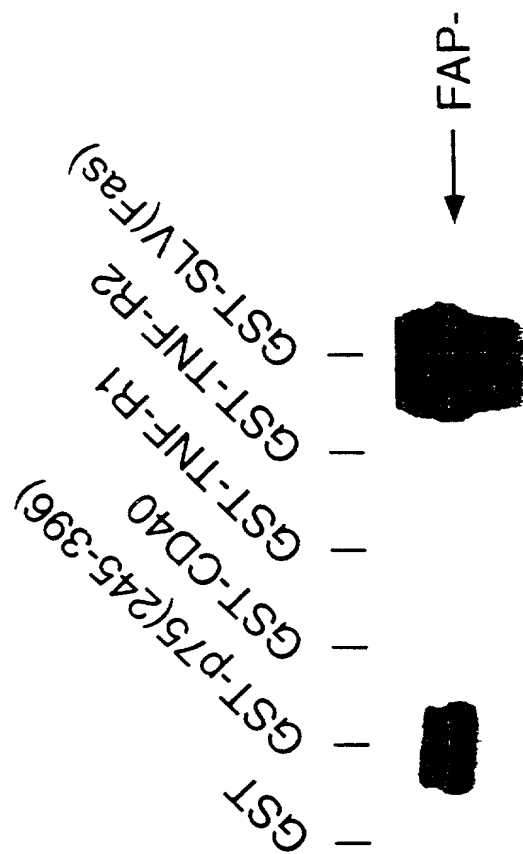


FIG. 11A
FAP-1 binds to C-terminal three amino acids SPV of p75NGFR.

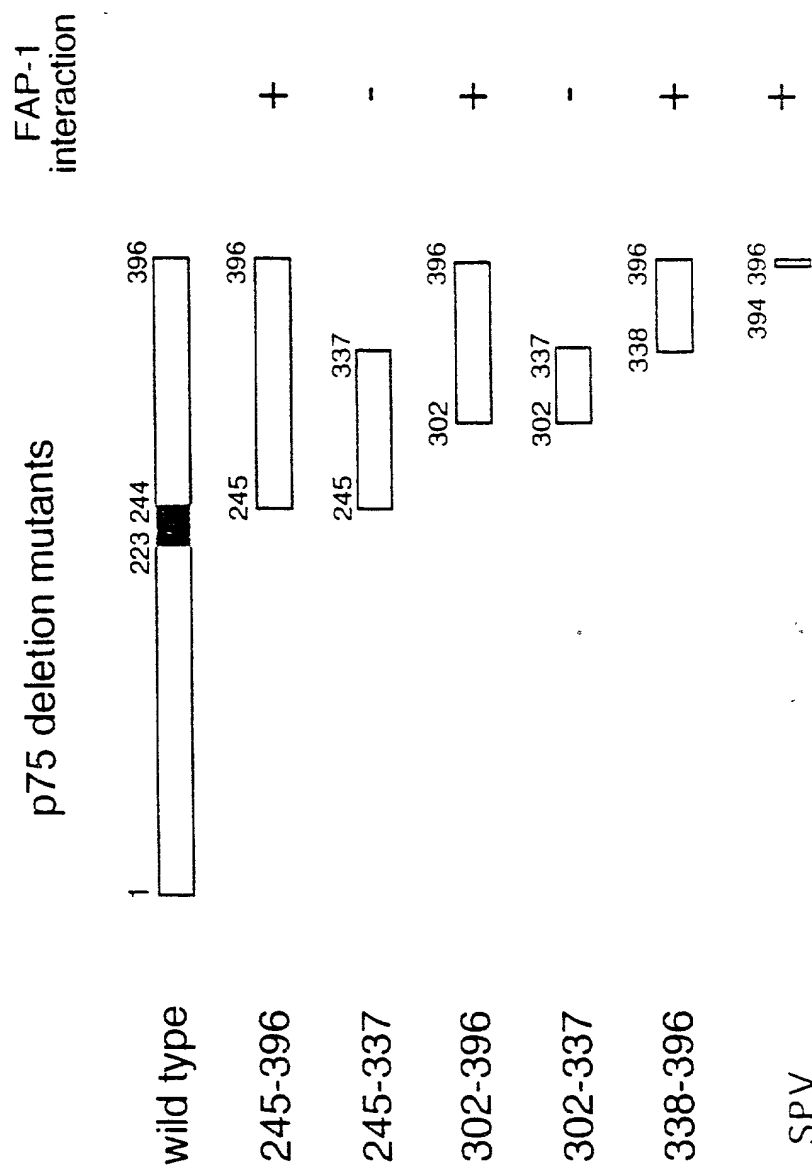


FIG. 11B

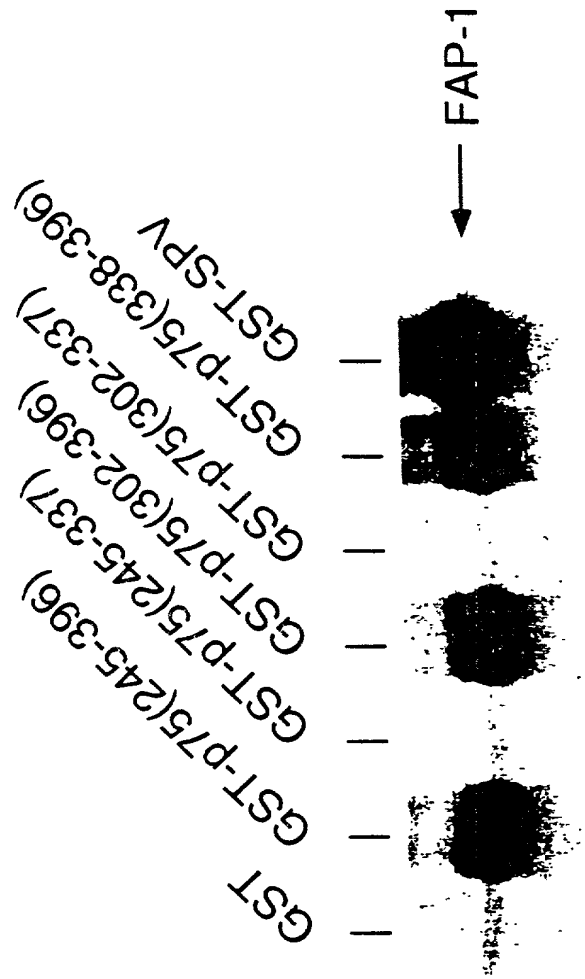


FIG. 12

FAP-1 binds to p75NGFR C-terminal cytoplasmic region in yeast.

	VP16-FAP-1	VP16-cRaf
LexA-p75NGFR(338-396)	+	-
LexA-p75NGFR(365-396)	+	-
LexA-Fas	++	-
LexA-Ras ^{V12}	-	+
LexA-Lamin	-	-

FIG. 13A

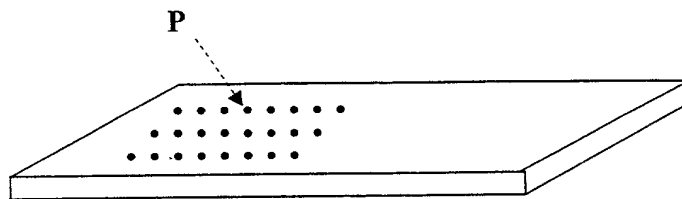


FIG. 13B

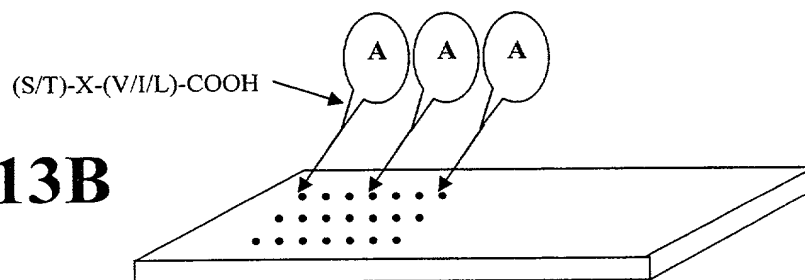


FIG. 13C

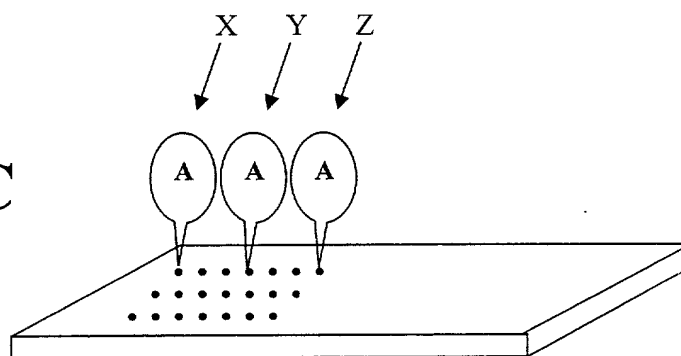


FIG. 14A

Plain-glass slide

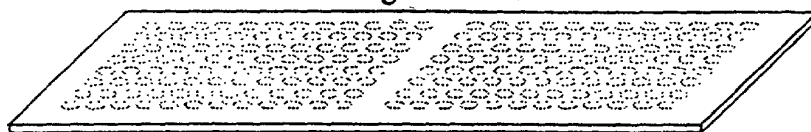


FIG. 14B

3D gel pad chip

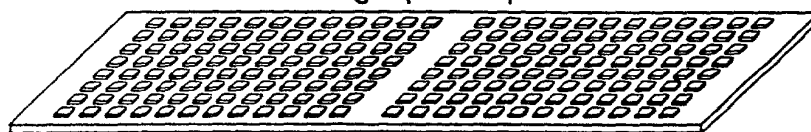
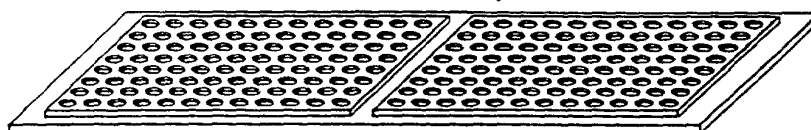


FIG. 14C

Microwell chip



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